

ATTORNEY DOCKET NO.
0566-CRY-US(2836-P056US)

PATENT
ASSIGNMENT COVER LETTER
U.S. Serial No. 08/833,185

1

Box Assignment
Commissioner of Patents and Trademarks
Washington, D.C. 20231

ASSIGNMENT COVER LETTER ACCOMPANYING
NEW PATENT APPLICATION

1. Particulars of the application for which the accompanying assignment applies are as follows:

Inventor(s):

- (1) Mark Alexander
- (2) Krishnan Subramonium
- (3) Golam Chowdhury
- (4) Kartika Prihadi
- (5) Bryan Cope

Title of Invention:

**CIRCUITS AND METHODS FOR IMPLEMENTING
AUDIO CODEC AND SYSTEMS USING THE SAME**

2. Execution Date of Application:
By (1) Mark Alexander on October 17, 1997
(2) Krishnan Subramonium on October 20, 1997
(3) Golam Chowdhury on October 20, 1997
(4) Kartika Prihadi on October 17, 1997
(5) Bryan Cope on October 21, 1997
3. Name of Assignor(s):
(1) Mark Alexander on October 17, 1997
(2) Krishnan Subramonium on October 20, 1997
(3) Golam Chowdhury on October 20, 1997
(4) Kartika Prihadi on October 17, 1997
(5) Bryan Cope on October 21, 1997
4. Name and Address of Assignee(s):
**(1) Crystal Semiconductor Corp.
4210 South Industrial Drive
Austin, Texas 78744**
5. A brief description of what the accompanying document intends to accomplish is that it is an:

An assignment of entire right, title and interest.

Execution Date of Assignment:

By

- (1) Mark Alexander on October 17, 1997
- (2) Krishnan Subramonium on October 20, 1997

JC688 U.S. PTO
09/11/70
11/13/00

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2

- (3) Golam Chowdhury on October 20, 1997
- (4) Kartika Prihadi on October 17, 1997
- (5) Bryan Cope on October 21, 1997

6. Fee payment is provided for as follows:

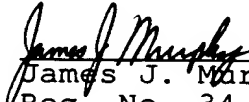
\$40.00

7. Please return the recorded document to:

**James J. Murphy
Winstead Sechrest & Minick P.C.
5400 Renaissance Tower
1201 Elm Street
Dallas, Texas 75270
Registration No. 34,503
Telephone: (214) 745-5374**

8. The undersigned attorney states that the information contained on this cover sheet is true and correct to the best of his knowledge and belief.

Enclosed is a check in the amount of \$40.00. Please charge any additional fees or credit any overpayment to Deposit Account No. 23-2426 of **Winstead Sechrest & Minick P.C.** A duplicate copy of this sheet is enclosed.


James J. Murphy
Reg. No. 34,503
5400 Renaissance Tower
1201 Elm Street
Dallas, Texas 75270
(214) 745-5374

October 22, 1997

ASSIGNMENT

WHEREAS, I the undersigned inventor, of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Crystal Semiconductor Corp. (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 4210 South Industrial Drive, Austin, Texas 78744, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

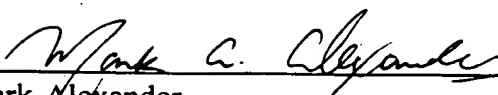
I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in ITS own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention: CIRCUITS AND METHODS FOR IMPLEMENTING AUDIO
CODEC AND SYSTEMS USING THE SAME

Signature of Inventor:
Inventor's Name:
Residence (City, County, State)


Mark Alexander
Austin, Travis County, Texas

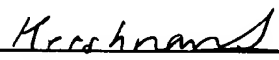
Date:

10/17/97

Date Application Executed:

10/17/97

Signature of Inventor:
Inventor's name:
Residence (City, County, State)


Krishnan Subramonium
Austin, Travis County, Texas

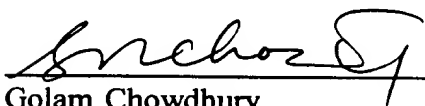
Date:

10/20/97

Date Application Executed:

10/20/97

Signature of Inventor
Inventor's name:
Residence (City, County, State)


Golam Chowdhury
Austin, Travis County, Texas


Date:

10/20/97

Date Application Executed:

10/20/97

Signature of Inventor:
Inventor's name:
Residence (City, County, State)


Kartika Prihadi
Austin, Travis County, Texas


Date:

10/17/97

Date Application Executed:

10/17/97

Signature of Inventor
Inventor's name:
Residence (City, County, State)


Bryan Cope
Austin, Travis County, Texas

Date:

10/21/97

Date Application Executed:

10/21/97